Extron® Electronics

INTERFACING, SWITCHING AND CONTROL

2010 NEW PRODUCTS

FIRST EDITION

Extron®
Satisfaction Guarantee

As a leading manufacturer in the A/V industry, we are committed to engineering and manufacturing our products to the highest standards of quality, performance, and value. From our advanced product design, manufacturing and quality control procedures to our friendly and knowledgeable support teams, our commitment to satisfy you is paramount. In every interaction with Extron, you can be confident you will receive our S3 commitment to Service, Support, and Solutions. For more than 25 years, our objective has been to ensure that every customer is completely satisfied with every purchase.

To underscore this commitment, we offer our Satisfaction Guarantee. This means we will work diligently to resolve any issue you have with your purchase until you are completely satisfied. Extron employees are prepared to do whatever it takes to make certain that the entire process of doing business with us is a positive and professionally rewarding experience for you.

I'm so confident in our ability to deliver on this pledge that I back it personally. If you are not satisfied with any part of your transaction with Extron, I want to know. Please contact me at president@extron.com. I will personally address any unresolved customer issue. We greatly appreciate your business. It is our intent to keep you as a customer for life.

Andrew C. Edwards

President

TouchLink™

Configurable Touchpanel Control Systems

Introducing Extron TouchLink™, the first fully configuration-based touchpanel control systems with the power to handle the control needs of single display rooms, dual display rooms, divisible rooms, multi-image systems, and video conference suites. Extron pioneered configurable A/V control systems with the MediaLink family of push-button controllers. Now, with TouchLink, Extron is set to revolutionize the way you design, install, and maintain touchpanel systems. With our user-friendly, drag-and-drop configuration software, TouchLink Control Systems can be deployed much faster than traditional programmable control systems and are easier and less costly to support.

Ready-To-Use Templates

Getting started is fast and simple with ready-to-use, customizable design templates, or start from scratch and build your own layout using our comprehensive software.

GUI Configurator includes the following ready-to-use templates:

- Single Display Room
- Dual Display Room
- Divisible Room
- Multi-Image System
- Video Conference Suite

... and more will be added to www.extron.com soon.

In many cases, all the input sources, display control, and environmental settings are already in place. If any modification is required, the included GUI Configurator touchscreen design software makes adding or removing a source or other element a snap.

System Configuration With Global Configurator

No programming skills are required for system setup since TouchLink control systems are fully configurable using Global Configurator 3.0, the same familiar software used for MediaLink systems.

A/V Resource Management With GlobalViewer® Enterprise

As with MediaLink systems, TouchLink Systems integrate seamlessly with Extron's award-winning GlobalViewer Enterprise software and Free GlobalViewer Web application for complete A/V resource monitoring, management, and control over a computer network.

Online Resources

The online TouchLink Panel Simulators give users a close-up look at virtual TouchLink Panels in action. Select an application and click to see how the touchpanel interface controls the entire A/V system, including projector, screen, sources, lights, and more.

www.extron.com/touchlink

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TOUCHLINK™ CONTROL SYSTEMS

TLP 700MV

TouchLink™ 7" Wall Mount Touchpanel

The Extron TLP 700MV TouchLink™ 7" Wall Mount Touchpanel is designed to mount securely into a wall, lectern, or other flat surface. In addition to the seven-inch, full-color high resolution touchscreen, the ten field-labelable backlit buttons provide expanded control capabilities to ensure that critical functions are easily accessible. The TLP 700MV touchpanel enables integrators to deploy a fully configurable surface-mounted touchscreen control interface with a sophisticated, high tech appearance.

FEATURES

- 7" widescreen high resolution touchscreen
- Ten field-labelable backlit buttons for expanded control
- User-friendly volume knob for simple and intuitive volume control
- Full motion video for use as a preview, confidence monitor, or security camera monitor
- Front bezel without buttons included for touchscreen-only applications
- Mounts on a wall, lectern, or any flat surface

Model	Version Description	Part Number
TLP 700MV	7" TouchLink Panel - Wall Mount - Black	60-546-02
TLP 700MV	7" TouchLink Panel - Wall Mount - White	60-546-03
RM 700M	Rack Mount Kit for the TLP 700MV	70-683-01
BB 700M	Back Box for TLP 700MV	70-690-01

TLP 700TV

TouchLink™ 7" Tabletop Touchpanel

The Extron TLP 700TV TouchLink 7" Tabletop Touchpanel is designed for tabletop use or VESA mounting. In addition to the seven-inch, full-color high resolution touchscreen, the ten field-labelable backlit buttons provide expanded control capabilities to ensure that critical functions are easily accessible. The TLP 700TV can be removed from its base and mounted on any VESA standard mounting arm or bracket using the optional adapter.

FEATURES

- 7" widescreen high resolution color touchscreen
- Ten field-labelable backlit buttons for expanded control
- User-friendly volume knob for simple and intuitive volume control
- Full motion video for use as a preview, confidence monitor, or security camera monitor
- Weighted base allows up to 45° of tilt
- Sits on a tabletop or on a VESA standard mount with optional adapter

Model	Version Description	Part Number
TLP 700TV	7" TouchLink Panel - Tabletop - Black	60-548-02
VM 700T	VESA Mount Adapter for TLP 700TV	70-692-01

TLP 350CV

TouchLink™ 3.5" Cable Cubby® Touchpanel

The Extron TLP 350CV TouchLink™ 3.5" Cable Cubby® Touchpanel features an elegant, metal enclosure for system control and cable management that can be mounted securely into a tabletop or other flat surface. In addition to the tilt-up, full-color touchscreen, the ten customizable backlit buttons provide expanded control capabilities to ensure that critical functions are easily accessible. The TLP 350CV touchpanel enables integrators to deploy a fully configurable furniture-mounted touchscreen control with cable management and easy access to A/V connectivity and power.

FEATURES

- 3.5" high resolution touchscreen
- Ten customizable backlit buttons
- Full motion video window for use as a preview, confidence monitor, or security camera monitor
- Interior LED lighting provides lighting for connectors and power access area in a dark room
- Accommodates up to nine single-space AAP - Architectural Adapter Plates
- Top surface available in black anodized or brushed aluminum finishes

Model	Version Description	Part Number
TLP 350CV	3.5" Panel - Black Anodized - no AC outlet	60-1017-0200
TLP 350CV	3.5" Panel - US Black Anodized	60-1017-020A
TLP 350CV	3.5" Panel - EU Black Anodized	60-1017-020D
TLP 350CV	3.5" Panel - Universal-Black Anodized	60-1017-020J
TLP 350CV	3.5" Panel - Brushed Alum - no AC outlet	60-1017-0210
TLP 350CV	3.5" Panel - US Brushed Aluminum	60-1017-021A
TLP 350CV	3.5" Panel - EU Brushed Aluminum	60-1017-021D
TLP 350CV	3.5" Panel - Universal-Brushed Aluminum	60-1017-021J
TLP 350CV AAP Bracket Kit	One space bracket	70-693-01
TLP 350CV Routing Template	TLP 350CV Routing Template	70-694-01
TLP 350CV Button Kit	Optional Buttons	70-698-06

AC OUTLET OPTIONS

US | Central Europe | Universal

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TOUCHLINK™ CONTROL SYSTEMS

IPL 250

IP Link® Ethernet Control Processor

The IPL 250 is an Ethernet control processor for use as part of a TouchLink™ configurable touchpanel control system. The IPL 250 provides vital A/V system control capabilities including bidirectional serial ports, IR ports, relays, and contact closure inputs for interfacing with displays, switchers, sources, screen control, lighting systems, and other devices. The IPL 250 is configured using the free, easy-to-use Extron Global Configurator software. Using the Free GlobalViewer® Web-based A/V resource management and remote control application, users can manage, monitor, and control both Extron and third-party equipment like projectors, plasmas, monitors, VCRs, DVD players, and other devices in an Ethernet network with the IPL 250.

FEATURES

- Compatible with TouchLink Control Systems
- Three bidirectional RS-232 ports
- Four IR ports
- Four relays
- Four contact closure inputs
- Supports Ethernet device drivers
- IP Link® Ethernet monitoring and control
- Free Global Configurator, easy-to-use configuration software
- Integral high performance Web server
- Extensive library of Extron Certified device drivers

Model	Version Description	Part Number
IPL 250	IP Link Ethernet Control Processor	60-1026-81

GUI Configurator

Free User Interface Design Software for TouchLink™ Panels

Extron GUI Configurator software, exclusively for use with TouchLink panels, makes designing full-color touchscreen interfaces easy, even for those without graphic design skills. GUI Configurator software includes ready-to-use templates for single display rooms, dual display rooms, divisible rooms, multi-image systems, and video conference suites. The touchscreen design templates are fully customizable and matched carefully to the most common A/V applications integrators are likely to encounter. Getting started is fast and simple using the familiar Windows-like interface. GUI Configurator software's resource libraries of shapes, graphics, and sounds provide a variety of choices for design of master pages, popup pages for transport controls, multistate buttons, 3D effects, video windows, dynamic text, and more.

FEATURES

- No graphic design skills required
- Includes ready-to-use templates for popular A/V system applications
- Complete resource library of customizable elements
- Easily modify templates, or start from scratch for a fully customized layout
- Completed designs are easy to upload to a TouchLink Panel or save to disk

Model	Version Description	Part Number
GUI Configurator	User Interface Design Software	79-535-01

Global Configurator 3.0

Free Configuration Software for TouchLink™, MediaLink®, and IP Link® Control Systems

Global Configurator is a simple-to-use, yet comprehensive software application that allows non-programmers to configure a wide range of Extron products, including IP Link, MediaLink, and TouchLink Systems. It provides an integrated environment for defining A/V control and monitoring system functionality from an easy-to-use graphical user interface. It's simple enough to be used for configuring a single room controller, yet powerful enough to facilitate building a Web-based A/V resource management and remote monitoring system for hundreds of A/V devices in multiple locations.

FEATURES

- No programming skills required
- NEW Configures IP Link, MediaLink, and TouchLink Systems
- Integrated IP Link device management capabilities
- Allows the creation of GlobalViewer Host hierarchical tree views
- Device configuration copy and paste
- Extensive library of thousands of certified, ready-to-use serial and IR drivers
- Printable wiring diagrams
- GlobalViewer system designer

Model	Version Description	Part Number
Global Configurator	Configuration Software	79-511-01

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TOUCHLINK™ CONTROL SYSTEMS

TouchLink™ GUI Customization Service

For the TLP 350CV, TLP 700MV, and TLP 700TV

TouchLink graphical user interfaces, or GUIs, offer intuitive and easy-to-use touch panel room control. Extron offers two levels of customization service in which our designers will create a completely unique touchscreen layout for your specific application. We will modify one of our ready to use TouchLink templates to meet your needs or provide a fully customized GUI designed from scratch and built to meet your exact requirements. For both levels of service, you provide information on your system application and details on the desired functionality of the interface, along with design elements such as a company logo, school or company colors, and background images, and our S3 Control System Specialists will build a fully-customized GUI for your use.

FEATURES

- Customization services for TouchLink touchscreen user interface design
- Two levels of service:
  -TouchLink template customization
  -Completely unique touchscreen layout designed from scratch
- Order through your local S3 Control Systems Support Hotline

Model	Version Description	Part Number
TouchLink Template Modification Service	Template Modification	03-006-01
TouchLink GUI Customization Service	Custom GUI Design	03-006-02

MEDIALINK® CONTROL SYSTEMS

MLC 62 Series

MediaLink® Controllers

The MLC 62 MediaLink® Controllers are easy-to-use keypad controllers for classrooms and meeting facilities. The compact control panel offers eight backlit soft touch buttons for a contemporary look and feel and provides control capabilities for common A/V functions including display power on/off, input switching, volume control, as well as other devices in the room. All models of the MLC 62 include an IR port for universal display control, along with two relays and a digital sensor input port. The MLC 62 RS models also feature unidirectional RS-232 for additional display control flexibility. The MLC 62 Series controllers are easy to set up using configuration software via the Mini-USB port or IR learning. The configuration software includes support for the extensive library of Extron certified, ready-to-use IR and RS-232 device drivers.

FEATURES

- Universal display control
- Digital input
- Two relays
- Eight customizable backlit buttons
- Visual and audible feedback
- Volume adjustment buttons
- Macro and Toggle modes
- Inactivity timer for display shutoff
- Front panel security lockout
- Mini-USB configuration port
- Easily configured using thousands of certified, ready-to-use serial and IR device drivers
- Pre-printed buttons included for a wide range of custom labeling options
- Flexible mounting options
- External universal power supply included, replacement part # 70-775-01

Model	Version Description	Part Number
MLC 62 RS EU	IR and RS-232 Control - EU	60-1005-35
MLC 62 RS MK	IR and RS-232 Control - MK	60-1005-23
MLC 62 RS D	IR and RS-232 Control - Decora faceplate	60-1005-02
MLC 62 IR D	IR Control - Decora faceplate	60-1006-02
MLM 62 D 6B	Six button bezel kit for MLC 62 D	70-688-02
MLM 62 D 8B	Eight button bezel kit for MLC 62 D	70-688-12

MLC 62 RS EU
MediaLink Controller for EU Wallplate

MLC 62 RS MK
MediaLink Controller for MK Wallplate

MLC 62 RS D
MediaLink Controller for Decora® Wallplate

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MEDIALINK® CONTROL SYSTEMS

MLS 608 D

Eight Input MediaLink® Switcher with ProDSP™ Audio

The Extron MLS 608 D MediaLink® Switcher is a simple-to-use, eight input, multi-format switcher designed to integrate digital and analog sources. All signals are transmitted over CAT 5-type cable to the included SYS/MLS D R Twisted Pair Receiver. The MLS 608 D features Extron ProDSP™ digital audio processing, which provides an extensive array of easy-to-use tools for audio system set-up and fine-tuning. The MLS 608 D offers digital video switching with four HDCP-compliant, HDMI 1.3 inputs, and analog video switching with four universal inputs, including an Extron Universal MTP Twisted Pair input. It outputs HDMI twisted pair signals and analog MTP Twisted Pair to the included SYS/MLS D R receiver, providing a complete digital and analog video and audio switching system.

FEATURES

- Accepts and switches multiple digital and analog video signal formats
- Four input HDMI 1.3 switching
- Four input analog universal video switching
- HDMI audio de-embedding
- ProDSP™ audio signal processing for audio mixing, ducking, and feedback suppression
- Transmits HDMI and analog video, plus audio and RS-232 over CAT 5-type cables
- Includes SYS/MLS D R Twisted Pair Receiver
- EDID Minder™
- Available stereo power amplification with 25 watts rms per channel into 4 or 8 ohms, or mono 70 volt amplification with 50 watts rms output

MLS 608 D SA

Model	Version Description	Part Number
MLS 608 D	Variable Preamp Output - No Amplifier	60-1052-01
MLS 608 D MA	50 Watt 70 Volt Mono Power Amplifier	60-1052-02
MLS 608 D SA	2x25 Watt Stereo Power Amplifier	60-1052-03

SYSTEM SWITCHERS

System 208 D

Eight Input A/V Switcher with Integrated Device Control and ProDSP™ Audio

The Extron System 208 D is an eight input A/V system switcher designed to integrate both digital and analog sources. It works with optional TouchLink™ Touchpanels and SCP Secondary Control Panels to provide enhanced display and room control, and features Extron ProDSP™ with an extensive array of easy-to-use, digital audio processing tools for audio system setup and fine-tuning. The System 208 D offers digital video switching with four HDCP-compliant, HDMI 1.3 inputs, as well as analog video switching with four universal inputs, including an Extron Universal MTP Twisted Pair input. It outputs HDMI twisted pair and analog MTP Twisted Pair signals to the included SYS/MLS D R receiver, providing a complete digital and analog video and audio switching system with integrated room control.

FEATURES

- Accepts and switches multiple digital and analog video signal formats
- Four input HDMI 1.3 switching
- Four input analog universal video switching
- HDMI audio de-embedding
- ProDSP™ audio signal processing for audio mixing, ducking, and feedback suppression
- Transmits HDMI and analog video, plus audio and RS-232 over CAT 5-type cables
- Includes SYS/MLS D R Twisted Pair Receiver
- EDID Minder™
- Universal display control via RS-232, Ethernet, or IR
- Four configurable relays for room control
- Two digital I/O ports
- RS-232 control port
- IP Link® Ethernet monitoring and control
- Available stereo power amplification with 25 watts rms per channel into 4 or 8 ohms, or mono 70 volt amplification with 50 watts rms output

System 208 D SA

Works with MediaLink® Controllers and TouchLink™ Touchpanels

TLP 700TV

TLP 700MV

TLP 350CV

Model	Version Description	Part Number
System 208 D	Variable Preamp Output - No Amplifier	60-1051-01
System 208 D MA	50 Watt 70 Volt Mono Power Amplifier	60-1051-02
System 208 D SA	2x25 Watt Stereo Power Amplifier	60-1051-03

SCP 226

SCP 104

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FIBER OPTICS

FOX 4G Matrix 3200

Modular Fiber Optic Matrix Switcher from 8x8 to 32x32

The Extron FOX 4G Matrix 3200 is a high performance, modular fiber optic matrix switcher for complete, end-to-end digital A/V signal transmission and routing over fiber optic cable. The FOX 4G Matrix 3200 is expandable from 8x8 up to 32x32, and is fully compatible with the FOX Series of fiber optic transmitters and receivers. Supporting rates up to 4.25 Gbps, it accepts and routes standard definition video, high resolution computer-video, DVI-D, and multi-rate SDI. Equipped with the integration-friendly features common to Extron matrix switchers, together with hot-swappable I/O boards and fan, real-time system monitoring, and redundant, hot-swappable power supplies, the FOX 4G Matrix 3200 delivers highly reliable, enterprise-wide switching of fiber optic A/V and control signals for any mission-critical environment.

FEATURES

- I/O sizes from 8x8 to 32x32
- Compatible with all FOX Series transmitters and receivers
- Multimode and singlemode I/O boards available
- Multi-rate SDI I/O board available
- Modular, field-upgradeable and hot-swappable design
- Dual redundant and hot-swappable power supplies
- Low power consumption for efficient cooling, lower costs, and longer life
- Advanced computer-aided diagnostics
- Input video signal detection
- Status LED indicators for fiber link status
- Alarm notification for fiber link loss
- Two AC power inputs
- Industry standard LC connectors provide reliable physical connectivity and precise fiber core alignment
- QS-FPC™ - QuickSwitch Front Panel Controller with tri-color backlit buttons
- View I/O mode
- I/O grouping
- Rooming
- Global presets
- Front panel security lockout
- IP Link® Ethernet monitoring and control
- RS-232 and RS-422 control port
- Front panel configuration port
- Rack-mountable 4U, full rack width metal enclosure

Model	Version Description	Part Number
FOX 4G Matrix 3200	FOX 4G Matrix 3200 Frame	60-970-01
FOX 4G I/O 88 MM	8x8 I/O Board - Multimode	70-791-01
FOX 4G I/O 88 SM	8x8 I/O Board - Singlemode	70-791-02
FOX 4G I/O 88 HD-SDI	8x8 I/O Board - Multi-Rate SDI	70-792-01
FOX 4G Matrix Blank Plate	Blank	70-651-21

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FIBER OPTICS

FOX 4G Matrix 7200

Modular Fiber Optic Matrix Switcher from 8x8 to 72x72

The Extron FOX 4G Matrix 7200 is a high performance, modular fiber optic matrix switcher for complete, end-to-end digital A/V signal transmission and routing over fiber optic cable. The FOX 4G Matrix 7200 is expandable from 8x8 up to 72x72, and is fully compatible with the FOX Series of fiber optic transmitters and receivers. Supporting rates up to 4.25 Gbps, it accepts and routes standard definition video, high resolution computer-video, DVI-D, and multi-rate SDI. Equipped with the integration-friendly features common to Extron matrix switchers, together with hot-swappable I/O boards and fan, real-time system monitoring, and redundant, hot-swappable power supplies, the FOX 4G Matrix 7200 delivers highly reliable, enterprise-wide switching of fiber optic A/V and control signals for any mission-critical environment.

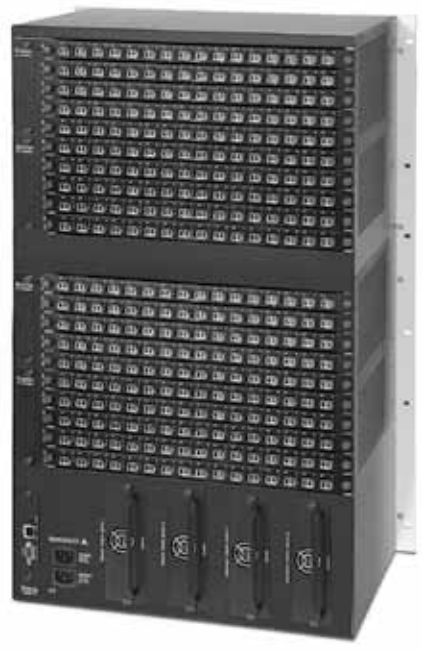
FEATURES

- I/O sizes from 8x8 to 72x72
- Compatible with all FOX Series transmitters and receivers
- Multimode and singlemode I/O boards available
- Multi-rate SDI I/O board available
- Modular, field-upgradeable and hot-swappable design
- Dual redundant and hot-swappable power supplies
- Low power consumption for efficient cooling, lower costs, and longer life
- Advanced computer-aided diagnostics
- Input video signal detection
- Status LED indicators for fiber link status
- Alarm notification for fiber link loss
- Two AC power inputs
- Industry standard LC connectors provide reliable physical connectivity and precise fiber core alignment
- QS-FPC™ - QuickSwitch Front Panel Controller with tri-color backlit buttons
- View I/O mode
- I/O grouping
- Rooming
- Global presets
- Front panel security lockout
- IP Link® Ethernet monitoring and control
- RS-232 and RS-422 control port
- Front panel configuration port
- Rack-mountable 8U, full rack width metal enclosure

Model	Version Description	Part Number
FOX 4G Matrix 7200	FOX 4G Matrix 7200 Frame	60-1011-01
FOX 4G I/O 88 MM	8x8 I/O Board - Multimode	70-791-01
FOX 4G I/O 88 SM	8x8 I/O Board - Singlemode	70-791-02
FOX 4G I/O 88 HD-SDI	8x8 I/O Board - Multi-Rate SDI	70-792-01
FOX 4G Matrix Blank Plate	Blank	70-651-21

FOX 4G Matrix 320x

Modular Fiber Optic Matrix Switcher from 16x16 to 320x320



The Extron FOX 4G Matrix 320x is a high performance, modular fiber optic matrix switcher for complete, end-to-end digital A/V signal transmission and routing over fiber optic cable. The FOX 4G Matrix 320x is expandable from 16x16 up to 320x320, and is fully compatible with the FOX Series of fiber optic transmitters and receivers. Supporting rates up to 4.25 Gbps, it accepts and routes standard definition video, high resolution computer-video, DVI-D, and multi-rate SDI. Equipped with the integration-friendly features common to Extron matrix switchers, together with hot-swappable I/O boards and fan, real-time system monitoring, and redundant, hot-swappable power supplies, the FOX 4G Matrix 320x delivers highly reliable, enterprise-wide switching of fiber optic A/V and control signals for any mission-critical environment.

FEATURES

- I/O sizes from 16x16 to 320x320
- Compatible with all FOX Series transmitters and receivers
- Multimode and singlemode I/O boards available
- Modular, field-upgradeable and hot-swappable design
- Four redundant and hot-swappable power supplies
- Low power consumption for efficient cooling, lower costs, and longer life
- Advanced computer-aided diagnostics
- Input video signal detection
- Status LED indicators for fiber link status
- Alarm notification for fiber link loss
- Two AC power inputs
- Industry standard LC connectors provide reliable physical connectivity and precise fiber core alignment
- View I/O mode
- I/O grouping
- Global presets
- Rooming
- IP Link® Ethernet monitoring and control
- RS-232 and RS-422 control port
- Front panel configuration port
- Rack-mountable 17U, full rack width metal enclosure

Model	Version Description	Part Number
FOX 4G Matrix 320x Frame	FOX 4G Matrix 320x Frame	60-1082-01
FOX 4G Matrix I/O 1616 Board - MM	Multimode	70-771-01
FOX 4G Matrix I/O 1616 Board - SM	Singlemode	70-771-02

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FIBER OPTICS

SMX FOX 4G

FOX Fiber Optic Matrix Switcher Boards for the SMX System MultiMatrix

The SMX FOX 4G Fiber Optic Matrix Switcher Boards offer up to 4.25 Gbps digital switching capability for audio, control, and video signals at high resolution rates and multiple formats with pixel-for-pixel throughput. This level of performance assures compatibility from standard definition video to the highest source resolutions, including HDTV 1080p/60, RGB computer-video, DVI, and multi-rate SDI signals. They are equipped with industry-standard LC connectors for integration convenience. The SMX FOX 4G Fiber Optic Matrix Switcher Boards are available in two sizes, 8x8 and 16x16, and in two versions for use with singlemode or multimode fiber.

FEATURES

- Compatible with all FOX Series transmitters and receivers
- Input video signal detection
- Alarm notification for fiber link loss
- Industry-standard LC connectors
- MM - Multimode and SM - Singlemode versions available

SMX 1616 FOX 4G MM

Model	Version Description	Part Number
SMX 88 FOX 4G SM	8x8 Fiber Optic, Singlemode; 1 slot	70-635-03
SMX 88 FOX 4G MM	8x8 Fiber Optic, Multimode; 1 slot	70-634-03
SMX 1616 FOX 4G SM	16x16 Fiber Optic; Singlemode; 2 slots	70-635-04
SMX 1616 FOX 4G MM	16x16 Fiber Optic; Multimode; 2 slots	70-634-04

FOXBOX 4G Tx VGA/YUV

Fiber Optic Extender for VGA or YUV, Audio, and RS-232

The Extron FOXBOX 4G VGA/YUV Fiber Optic Extender is a transmitter for long haul transmission of high resolution VGA or HD component video, audio, and RS-232 control signals over a single fiber. Engineered for reliability and exceptional high resolution image performance, it uses Extron's exclusive all digital, zero compression technology, to deliver perfect pixel-for-pixel transmission of computer-video images up to UXGA (1600x1200) resolution and HDTV up to 1080p/60. The FOXBOX 4G VGA/YUV also includes image adjustments and calibration, Auto Input Memory, RS-232 control, internal test patterns, and real-time system monitoring. A compact, low profile enclosure allows for discreet installation, and multiple FOXBOX 4G receivers can be daisy-chained from the FOXBOX 4G VGA/YUV.

FEATURES

- Extends VGA or HD component video, stereo audio, and RS-232 control signals very long distances over a single fiber
- All digital, zero compression technology provides pixel-for-pixel performance with signals up to 1600x1200, including HDTV 1080p/60
- Daisy-chain capability
- Real-time status LED indicators for troubleshooting and monitoring
- Alarm notification for fiber link loss
- Auto Input Memory
- RS-232 control
- 1" (2.5 cm) high, quarter rack width metal enclosure

Model	Version Description	Part Number
FOXBOX 4G Tx VGA/YUV MM	Multimode - Transmitter	60-1058-11
FOXBOX 4G Tx VGA/YUV SM	Singlemode - Transmitter	60-1058-12

FOX HD-SDI

Fiber Optic Extender for Multi-Rate SDI

The Extron FOX HD-SDI Fiber Optic Extender enables long haul transmission of multi-rate SDI video, with embedded audio and metadata, over a single fiber. Engineered for reliability and exceptional high resolution image performance, it uses Extron's exclusive all digital, zero compression technology to transmit multi-rate SDI signals up to 2.97 Gbps including SDI, HD-SDI, and 3G-SDI. To optimize SDI signal transmission to and from the FOX HD-SDI, input signals are automatically equalized, and output signals are reclocked. The FOX HD-SDI can function as a transmitter and a receiver in various user-configurable modes.

FEATURES

- Extends SDI, HD-SDI, and 3G-SDI signals very long distances over a single fiber
- Input equalization and reclocking on buffered outputs
- NEW Immunity to SDI and HD-SDI pathological signal patterns
- Dual buffered outputs
- Daisy-chain capability
- Real-time status LED indicators for troubleshooting and monitoring
- 1" (2.5 cm) high, quarter rack width metal enclosure
- External universal power supply included

Model	Version Description	Part Number
FOX HD-SDI P SM	Singlemode, Pathological Comp., Qty. 1	60-1056-02

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FIBER OPTICS

FOXBOX 4G DVI Plus

Fiber Optic Extender for DVI, Audio, and RS-232

The Extron FOXBOX 4G DVI Plus Fiber Optic Extender is a transmitter and receiver set for long haul transmission of DVI, audio, and RS-232 control signals over a single fiber. Engineered for reliability and exceptional high resolution image performance, it uses Extron-exclusive all digital, zero compression technology, to deliver perfect pixel-for-pixel transmission of DVI computer-video images up to WUXGA 1920x1200 resolution, including HDTV 1080p/60. The FOXBOX 4G DVI Plus also includes an EDID emulation mode, Auto Input Memory, RS-232 control from multiple locations, internal test patterns, and real-time system monitoring. Compact, low profile enclosures allow for discreet installation behind a flat-panel display, and multiple receivers can be daisy-chained.

FEATURES

- Extends single link DVI-D, stereo audio, and RS-232 control signals very long distances over a single fiber
- NEW! All digital, zero compression technology provides pixel-for-pixel performance with signals up to 1920x1200, including HDTV 1080p/60
- EDID emulation
- Daisy-chain capability
- Real-time status LED indicators for troubleshooting and monitoring
- Alarm notification for fiber link loss
- Auto Input Memory
- 1" (2.5 cm) high, quarter rack width metal enclosures

FOXBOX 4G DVI Plus Transmitter

FOXBOX 4G DVI Plus Receiver

Model	Version Description	Part Number
FOXBOX 4G Tx DVI Plus MM	Multimode - Transmitter	60-1060-11
FOXBOX 4G Rx DVI Plus MM	Multimode - Receiver	60-1060-21
FOXBOX 4G Tx DVI Plus SM	Singlemode - Transmitter	60-1060-12
FOXBOX 4G Rx DVI Plus SM	Singlemode - Receiver	60-1060-22

FOX 4G SW8

Eight Input Fiber Optic Switcher

The Extron FOX 4G SW8 is an Eight Input Fiber Optic Switcher for switching and long haul transmission of incoming fiber optic A/V and RS-232 control signals over a single fiber. It provides eight optical inputs and one optical output for long distance connectivity to FOX Series fiber optic transmitters, receivers, distribution amplifiers, or matrix switchers, each via a single fiber link. Supporting rates up to 4.25 Gbps, the FOX 4G SW8 accepts and switches standard definition video, high resolution computer-video, DVI-D, and multi-rate SDI.

FEATURES

- Compatible with all FOX Series transmitters and receivers
- Switches and extends fiber optic A/V and RS-232 control signals very long distances over a single fiber
- Eight optical inputs with loop-throughs
- Output muting control
- Alarm notification for fiber link loss

FOX 4G SW8 MM

Model	Version Description	Part Number
FOX 4G SW8 MM	Multimode	60-984-01
FOX 4G SW8 SM	Singlemode	60-984-02

FOX 4G DA8

Eight Output Fiber Optic Distribution Amplifier

The Extron FOX 4G DA8 is an Eight Output Fiber Optic Distribution Amplifier for distribution and long haul transmission of incoming fiber optic A/V and RS-232 control signals over a single fiber. It provides eight optical outputs for distribution to FOX Series fiber optic receivers, switchers, or matrix switchers, each via a single fiber link. Supporting rates up to 4.25 Gbps, the FOX 4G DA8 accepts and distributes standard definition video, high resolution computer-video, DVI-D, and multi-rate SDI. It also features active optical signal splitting so that original transmitter power levels are maintained for all outputs.

FEATURES

- Compatible with all FOX Series transmitters and receivers
- Distributes and extends fiber optic A/V and RS-232 control signals very long distances over a single fiber
- Eight active and individually isolated outputs
- Output muting control
- Alarm notification for fiber link loss

FOX 4G DA8 MM

Model	Version Description	Part Number
FOX 4G DA8 MM	Multimode	60-927-01
FOX 4G DA8 SM	Singlemode	60-927-02

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Extron

DVI & HDMI

DXP HDMI Series

HDMI Matrix Switchers

DXP 88 HDMI

The Extron DXP HDMI Series are high performance, digital matrix switchers that route HDMI signals from multiple sources to any or all of up to eight HDMI-equipped display devices. These HDMI 1.3 compatible matrix switchers support resolutions up to 1920x1200 and HDTV 1080p/60, and are HDCP compliant, enabling simultaneous distribution of a single source signal to one or more compliant displays. The DXP HDMI Series is designed for ease of integration in applications that require reliable HDMI signal routing. They include several convenience features common to Extron matrix switchers such as the QS-FPC™ - QuickSwitch Front Panel Controller, global presets, IP Link® Ethernet control, and more.

FEATURES

- Available in 4x4, 4x8, 8x4, and 8x8 I/O sizes
- HDMI 1.3 compatible
- HDCP compliant
- EDID Minder™
- Automatic cable equalization for each input to 100 feet (30 meters) at 1920x1200
- Automatic output reclocking
- Provides +5VDC, 250mA power on the HDMI outputs for external peripheral devices
- Audio breakaway
- IP Link® Ethernet control
- RS-232 and RS-422 control port

Model	Version Description	Part Number
DXP 44 HDMI	4x4 HDMI Matrix Switcher	60-880-01
DXP 48 HDMI	4x8 HDMI Matrix Switcher	60-1010-01
DXP 84 HDMI	8x4 HDMI Matrix Switcher	60-881-01
DXP 88 HDMI	8x8 HDMI Matrix Switcher	60-882-01

DXP DVI Pro Series

HDCP-Compliant DVI Matrix Switchers

DXP 88 DVI Pro

The Extron DXP DVI Pro Series are high performance, digital matrix switchers that route single link DVI-D signals from multiple sources to any or all of up to eight DVI-equipped display devices. All matrix switchers in the DXP DVI Pro Series support resolutions up to 1920x1200 and HDTV 1080p/60, and are HDCP compliant, enabling simultaneous distribution of a single source signal to one or more compliant displays. The DXP DVI Pro Series is designed for ease of integration in applications that require reliable DVI signal routing. They include several convenience features common to Extron matrix switchers such as the QS-FPC™ - QuickSwitch Front Panel Controller, global presets, IP Link® Ethernet control, and more.

FEATURES

- Available in 4x4, 4x8, 8x4, and 8x8 I/O sizes
- HDCP compliant
- EDID Minder™
- Automatic cable equalization for each input to 100 feet (30 meters) at 1920x1200
- Automatic output reclocking
- Provides +5VDC, 250mA power on the DVI outputs for external peripheral devices
- Fully supports HDMI 1.3 signals when used with optional Extron HDMI-DVI adapters
- Audio breakaway
- IP Link® Ethernet control
- RS-232 and RS-422 control port

Model	Version Description	Part Number
DXP 44 DVI Pro	4x4 DVI Matrix Switcher	60-875-01
DXP 48 DVI Pro	4x8 DVI Matrix Switcher	60-1009-01
DXP 84 DVI Pro	8x4 DVI Matrix Switcher	60-876-01
DXP 88 DVI Pro	8x8 DVI Matrix Switcher	60-877-01

MTP/HDMI U R

Twisted Pair Receiver for HDMI, VGA, Video, Audio, and RS-232

The MTP/HDMI U R is a universal Twisted Pair Receiver that consolidates digital and analog video formats into a single product, delivering digital video, analog video, mono audio, and RS-232 signals from remote locations. It features an HDCP-compliant, HDMI/DVI 201 Series-compatible twisted pair input, plus a Universal MTP Twisted Pair input that accepts all common analog video formats from an MTP Series transmitter. Either input supports bidirectional RS-232 signals. The MTP/HDMI U R includes separate variable level and peaking controls and automatic signal format detection for incoming MTP signals.

FEATURES

- Accepts digital and analog video formats
- Receives HDMI or DVI twisted pair signals
- HDCP compliant
- HDMI 1.3 compatible
- Receives MTP Twisted Pair signals for RGBHV, HD component video, S-video, composite video, mono audio, and RS-232
- Automatically routes incoming analog video signals to appropriate output connectors

Model	Version Description	Part Number
MTP/HDMI U R	HDMI/VGA/Video Twisted Pair Receiver	60-1048-01

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DVI & HDMI

DCX 1600

Modular Digital Matrix Switcher for HDMI and DVI

The Extron DCX 1600 represents a new level of digital matrix switching for HDMI and DVI. It combines the simplicity and reliability of a fixed I/O matrix switcher with the convenience and flexibility of a modular matrix switcher. The compact, 3U enclosure accepts any combination of HDMI or DVI boards. Input and output boards are available in 4-port and 8-port versions, providing 16 I/O size combinations with sizes from 4x4 to 16x16 for full system customization. All input and output cards are HDCP compliant and can be mixed and matched for fully-interchangeable switching between HDMI and DVI sources and displays. The DCX 1600 is ideal for a wide range of applications that require routing of high-resolution digital video signals, with or without copy protection.

FEATURES

- Available in 16 I/O sizes, 4x4 to 16x16
- Modular, field-upgradeable design
- Mix and match HDMI and DVI input and output boards
- HDCP-compliant HDMI and DVI input and output boards
- EDID Minder™
- HDMI 1.3 compatible
- Automatic cable equalization for each input to 100 feet (30 meters) at 1920x1200

DCX 1600 Frame

Model	Version Description	Part Number
DCX 1600 Frame	3U, 4-Slot Frame	60-1057-01
DCX 8i DVI Pro	8-Input DVI	70-684-01
DCX 4i DVI Pro	4-Input DVI	70-684-02
DCX 8o DVI Pro	8-Output DVI	70-685-01
DCX 4o DVI Pro	4-Output DVI	70-685-02
DCX 8i HDMI	8-Input HDMI	70-686-01
DCX 4i HDMI	4-Input HDMI	70-686-02
DCX 8o HDMI	8-Output HDMI	70-687-01
DCX 4o HDMI	4-Output HDMI	70-687-02

DMS 3600

Modular DVI Matrix Switcher

The Extron DMS 3600 represents a new level of matrix switching for DVI. It combines the simplicity and reliability of a fixed I/O matrix switcher with the convenience and flexibility of a modular matrix switcher. The 8U enclosure accepts any combination of DVI boards. Input and output boards are available in 4-port input, 4-port output, and 4x4 I/O versions, providing various I/O size combinations with sizes from 4x4 to 36x36 for full system customization. The DMS 3600 is ideal for a wide range of applications that require routing of high-resolution DVI digital video signals.

FEATURES

- I/O sizes from 4x4 to 36x36
- Modular, field-upgradeable design
- EDID Minder™
- Automatic cable equalization for each input to 100 feet (30 meters) at 1920x1200
- Automatic output reclocking
- Provides +5VDC, 250mA power on each output for external peripheral devices
- IP Link® Ethernet monitoring and control

Model	Version Description	Part Number
DMS 3600 Frame	8U, 9-Slot Frame	60-1092-01
DMS I/O 44 DVI	4x4 DVI	70-741-01
DMS 4i DVI	4-Input DVI	70-741-02
DMS 4o DVI	4-Output DVI	70-741-03

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DVI & HDMI

SW DVI Plus Series

DVI and Stereo Audio Switchers

The Extron SW DVI Plus Series are two, four, six, and eight input single link DVI switchers, available with or without stereo audio switching. They are compatible with PC resolutions up to 1920x1200, and also support HDTV 1080p/60. To enhance and simplify integration, all models feature EDID Minder™, an Extron exclusive technology that automatically manages the EDID information between the digital display device connected to the output and all the input sources. By maintaining continuous EDID communication with all sources, EDID Minder ensures that all DVI sources power up properly and maintain their video outputs whether or not they are actively connected to the digital display device through the switcher's output.

FEATURES

- Single link DVI-D switching
- Stereo audio switching
- Supports resolutions up to 1920x1200, including HDTV 1080p/60
- EDID Minder™
- Selectable cable equalization for each input
- Source signal presence indication
- Provides +5VDC, 250mA power on the DVI output for external peripheral devices

SW4 DVI A Plus

SW8 DVI A Plus

Model	Version Description	Part Number
SW2 DVI Plus	Two Input DVI Switcher	60-964-01
SW2 DVI A Plus	Two Input DVI Switcher w/Stereo Audio	60-964-21
SW4 DVI Plus	Four Input DVI Switcher	60-965-01
SW4 DVI A Plus	Four Input DVI Switcher w/Stereo Audio	60-965-21
SW6 DVI Plus	Six Input DVI Switcher	60-966-01
SW6 DVI A Plus	Six Input DVI Switcher w/Stereo Audio	60-966-21
SW8 DVI Plus	Eight Input DVI Switcher	60-967-01
SW8 DVI A Plus	Eight Input DVI Switcher w/Stereo Audio	60-967-21

DVI-RGB 200

DVI to Analog RGB Video Interface

The Extron DVI-RGB 200 converts single link DVI-D signals to analog RGB signals for convenient integration of digital video sources into conventional analog A/V systems. It is compatible with high resolution computer-video signals up to WUXGA (1920x1200) and HDTV up to 1080p/60.

FEATURES

- Converts single link DVI-D to analog RGB video
- Compatible with 28 input rates including WUXGA (1920x1200) and HDTV 1080p/60
- Variable level and peaking controls for analog RGB output
- Buffered local monitor DVI-D output
- EDID Minder™
- DDC routing to local DVI output for EDID and HDCP
- RGBHV, RGBS, or RGsB output

Model	Version Description	Part Number
DVI-RGB 200	DVI to Analog RGB Video Interface	60-1064-01

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DVI & HDMI

EDID 101D

EDID Emulator for DVI

The Extron EDID 101D is an EDID Emulator featuring EDID Minder™, an Extron exclusive technology designed to provide constant and continuous EDID - Extended Display Identification Data management with DVI or VGA source devices. EDID Minder ensures that the source powers up properly and reliably outputs content. Pre-stored EDID is communicated to the source based on a user-selected resolution and refresh rate. Alternatively, this EDID emulator can be set to capture and store EDID information when connected to a display. The EDID 101D supports single link and dual link DVI, as well as analog RGBHV. It is housed in a compact 1" high, one-eighth rack width enclosure for convenient, discreet installation.

FEATURES

- EDID Minder™
- Selectable resolutions and refresh rates
- EDID capture mode
- Can be powered directly from the DVI source
- 1" (2.5 cm) high, one-eighth rack width metal enclosure

Model	Version Description	Part Number
EDID 101D	EDID Emulator for DVI	60-990-01

One DVI-I Female to One DVI-I Female on 10" Pigtail, One 3.5 mm Stereo Mini Jack to Solder Tabs

Mini Architectural Adapter Plate

Type: Quick Connect/Installation
Size: Triple Space

Black Part #	White Part #	RAL9010 White #
70-717-02	70-717-03	70-717-05

One DVI-I Female to One DVI-I Female on 10" Pigtail

Architectural Adapter Plate

Type: Quick Connect
Size: Single Space

Black Part #	White Part #
70-615-12	70-615-13

One HDMI Female to One HDMI Female on 10" Pigtail

Mini Architectural Adapter Plate

Type: Quick Connect
Size: Single Space

Black Part #	White Part #	RAL9010 White #
70-617-12	70-617-13	70-617-15

One HDMI Female to One HDMI Female on 10" Pigtail

Architectural Adapter Plate

Type: Quick Connect
Size: Single Space

Black Part #	White Part #
70-616-12	70-616-13

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Extron

DVI & HDMI

DVID SL Pro

Single Link DVI-D Male to Male Cables

The Extron DVID SL Pro cables are engineered to support the high resolution demands of single link DVI-D signals. These cables are designed to enable flawless transmission of DVI signals up to 1920x1200.

FEATURES
- High performance single link DVI-D cables
- 1080p/60 verified
- NEC CL2 rated, non-plenum cable
- Gold plated contacts

Model	Version Description	Part Number
DVID SL Pro/3	3' (90 cm)	26-649-03
DVID SL Pro/6	6' (1.8 m)	26-649-06
DVID SL Pro/12	12' (3.6 m)	26-649-12
DVID SL Pro/25	25' (7.6 m)	26-649-25
DVID SL Pro/35	35' (10.6 m)	26-649-35
DVID SL Pro/50	50' (15.2 m)	26-649-50
DVID SL Pro/75	75' (22.8 m)	26-649-75
DVID SL Pro/100	100' (30.4 m)	26-649-100
DVID SL Pro/125	125' (38 m)	26-649-125
DVID SL Pro/150	150' (45.7 m)	26-649-150
DVID SL Pro/175	175' (53.2 m)	26-649-175
DVID SL Pro/200	200' (60.9 m)	26-649-200

DVID DL Pro

Dual Link DVI-D Male to Male Cables

Extron DVID DL Pro cables are engineered to support the ultra high resolution demands of dual link DVI-D signals. Extron superior quality and high performance DVID DL Pro cables are designed to enable flawless transmission of dual link DVI signals up to 2560x1600.

FEATURES
- 1080p/60 verified
- NEC CL2 rated, non-plenum cable
- Gold plated contacts

Model	Version Description	Part Number
DVID DL Pro/3	3' (90 cm)	26-651-03
DVID DL Pro/6	6' (1.8 m)	26-651-06
DVID DL Pro/12	12' (3.6 m)	26-651-12
DVID DL Pro/25	25' (7.6 m)	26-651-25
DVID DL Pro/35	35' (10.6 m)	26-651-35
DVID DL Pro/50	50' (15.2 m)	26-651-50
DVID DL Pro/75	75' (22.8 m)	26-651-75
DVID DL Pro/100	100' (30.4 m)	26-651-100
DVID DL Pro/125	125' (38 m)	26-651-125
DVID DL Pro/150	150' (45.7 m)	26-651-150
DVID DL Pro/175	175' (53.2 m)	26-651-175
DVID DL Pro/200	200' (60.9 m)	26-651-200

HDMI M-M Pro

High Performance HDMI Male to Male Cables

The Extron HDMI M-M Pro cables are designed to carry uncompressed HDTV or computer video signals, as well as multi-channel digital audio and control signals, on a single cable. These cables pass all embedded components, such as digital audio and CEC-Consumer Electronics Control information.

FEATURES
- Supports higher refresh rates, up to 120 Hz
- Supports HDMI 1.3 deep color up to 48 bits
- 1080p/60 verified
- Gold plated contacts

Model	Version Description	Part Number
HDMI M-M Pro/3	3' (90 cm)	26-650-03
HDMI M-M Pro/6	6' (1.8 m)	26-650-06
HDMI M-M Pro/12	12' (3.6 m)	26-650-12
HDMI M-M Pro/25	25' (7.6 m)	26-650-25
HDMI M-M Pro/35	35' (10.6 m)	26-650-35
HDMI M-M Pro/50	50' (15.2 m)	26-650-50
HDMI M-M Pro/75	75' (22.8 m)	26-650-75
HDMI M-M Pro/100	100' (30.4 m)	26-650-100
HDMI M-M Pro/125	125' (38 m)	26-650-125
HDMI M-M Pro/150	150' (45.7 m)	26-650-150
HDMI M-M Pro/175	175' (53.2 m)	26-650-175
HDMI M-M Pro/200	200' (60.9 m)	26-650-200

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DISPLAYPORT

One DisplayPort Female to One DisplayPort Female on 10" Pigtail

Mini Architectural Adapter Plate

Type: Quick Connect
Size: Single Space

Black Part #	White Part #	RAL9010 White #
70-676-12	70-676-13	70-676-15

One DisplayPort Female to One DisplayPort Female on 10" Pigtail

Architectural Adapter Plate

Type: Quick Connect
Size: Single Space

Black Part #	White Part #
70-677-12	70-677-13

DP-HDMIF

DisplayPort Male to HDMI Female Adapter

The Extron DP-HDMIF DisplayPort Adapter is a high quality, pre-tested adapter that enables flawless transmission of DisplayPort equipped sources to HDMI destinations.

FEATURES
- HDMI 1.3 compliant to 2.5 Gbps per channel
- 1080p/1920x1200 verified

Model	Version Description	Part Number
DP-HDMIF	DisplayPort M-HDMIF	26-655-01

DP-DVIDF

DisplayPort Male to DVI Female Adapter

The Extron DP-DVIDF DisplayPort Adapter is a high quality, pre-tested adapter that enables flawless transmission of DisplayPort equipped sources to DVI-D destinations.

FEATURES
- Compliant to VESA Interoperability Guideline
- 1080p/1920x1200 verified

Model	Version Description	Part Number
DP-DVIDF	DisplayPort M-DVIDF	26-656-01

DisplayPort M-M Series

Male to Male DisplayPort Cables

Extron DisplayPort M-M cable assemblies are designed to provide and maintain the digital connection between DisplayPort enabled devices while supporting the latest 1.1a standard.

FEATURES
- DisplayPort 1.1a compliant
- 1080p/1920x1200 verified

Model	Version Description	Part Number
DisplayPort M-M/3	3' (90 cm)	26-657-03
DisplayPort M-M/6	6' (1.8 m)	26-657-06
DisplayPort M-M/12	12' (3.6 m)	26-657-12
DisplayPort M-M/25	25' (7.6 m)	26-657-25

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USB PRODUCTS

USB HUB4

Architectural Mount Four-Port USB 2.0 HUB

The Extron USB HUB4 is a four-port, USB 2.0 compatible hub designed for architectural mounting applications. It allows the sharing of up to four USB devices on a single host port. It is available in two versions: AAP - Architectural Adapter Plate and MAAP - Mini Architectural Adapter Plate, and is ideal for any environment requiring convenient, integrated USB connectivity.

FEATURES

- USB 2.0 compatible
- Supports data transfer rates up to 480 Mbps
- Four port output hub with 5V, 500mA available on each output
- USB Type B and captive screw host inputs
- USB bus power or optional external power supply
- Choice of AAP - Architectural Adapter Plate or MAAP - Mini Architectural Adapter Plate versions

Model	Version Description	Part Number
USB HUB4 AAP	AAP Version - Black	60-1031-12
USB HUB4 AAP	AAP Version - White	60-1031-22
USB HUB4 MAAP	MAAP Version - Black	60-1030-11
USB HUB4 MAAP	MAAP Version - White	60-1030-21
USB HUB4 MAAP	MAAP Version - RAL9010 White	60-1030-51

USB HUB4 AAP

USB HUB4 MAAP

USB Extender

Long Distance Extender for USB 2.0

The USB Extender transmitter and receiver set enables USB 2.0 data to be carried over distances significantly greater than the 15'/5m standard limitation. Linked together using one economical and integration friendly Extron DTP26 cable, the USB Extender enables USB devices to be located up to 550 feet (165 meters) from the host computer. USB extension using standard CAT 5/5e/6 or CAT 7 cable is up to 450 feet (135 meters).

FEATURES

- Extends USB 2.0 up to 550 feet (165 meters) on Extron DTP26 cable and 450 feet (135 meters) on standard UTP cable
- Supports data transfer rates up to 480 Mbps
- Can be used with Extron DTP26 Digital Twisted Pair cable or with standard CAT 5/5e/6 or CAT 7 cable
- Four port output hub with 5V, 500mA available on each port
- Port Status LEDs
- Also compatible with USB 1.0 and USB 1.1 standards

Model	Version Description	Part Number
USB Extender Tx	Transmitter	60-871-12
USB Extender Rx	Receiver	60-871-22

USB Extender Transmitter

USB Extender Receiver

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USB PRODUCTS

One USB A Female to One USB A Female on 10" Pigtail

Mini Architectural Adapter Plate

Type: Quick Connect
Size: Single Space

Black Part #	White Part #	RAL9010 White #
70-455-12	70-455-13	70-455-15

One USB A Female to One USB B Female on 10" Pigtail

Mini Architectural Adapter Plate

Type: Quick Connect
Size: Single Space

Black Part #	White Part #	RAL9010 White #
70-383-12	70-383-13	70-383-15

One USB B Female to One USB A Female on 10" Pigtail

Mini Architectural Adapter Plate

Type: Quick Connect
Size: Single Space

Black Part #	White Part #	RAL9010 White #
70-459-12	70-459-13	70-459-15

One USB B Female to One USB A Female to 10" Pigtail

Architectural Adapter Plate

Type: Quick Connect
Size: Single Space

Black Part #	White Part #
70-586-12	70-586-13

Two USB A Female to Two USB A Female on 10" Pigtails

Architectural Adapter Plate

Type: Quick Connect
Size: Single Space

Black Part #	White Part #
70-454-12	70-454-13

Two USB A Female to Two USB B Female on 10" Pigtails

Architectural Adapter Plate

Type: Quick Connect
Size: Single Space

Black Part #	White Part #
70-382-12	70-382-13

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Extron

MATRIX SWITCHERS

Extron Matrix 1K

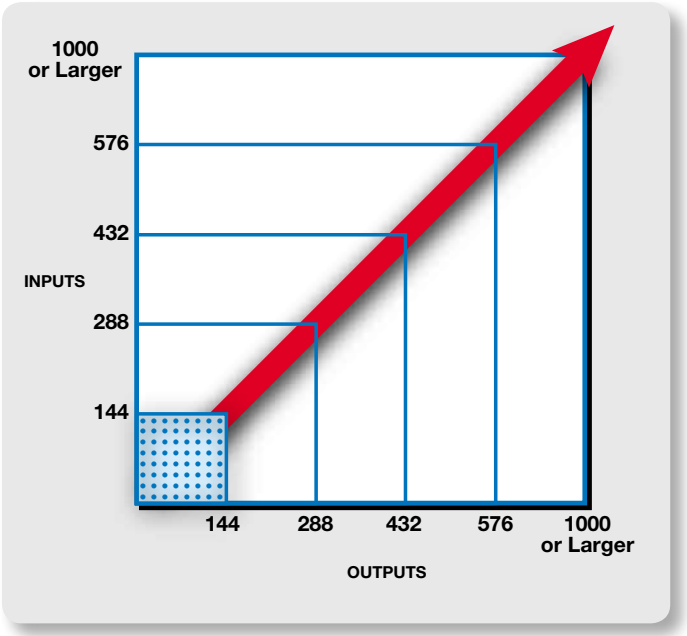
Large-Scale Matrix Switcher Program

When it comes to large-scale matrix switching solutions for fiber optic, digital, or analog signal routing applications, Extron has you covered. Through the Matrix 1K Program, you can create custom, scalable matrix switchers in all common signal types with I/O sizes up to 1000 x 1000 and beyond. Extron Matrix 1K switchers are designed and engineered to your specific project requirements. Matrix 1K digital and fiber optic matrix switchers start at 320x320, while Matrix 1K analog matrix switchers start at 128x128. Regardless of the size you need, Extron Matrix 1K switchers work with the same ease of control and day in, day out reliability you've come to expect from Extron.

To begin the process of configuring your Extron Matrix 1K switcher, contact your local Extron Customer Support Representative. An Extron Applications Engineer will be assigned to your project and will work with you to ensure your complete satisfaction.

Matrix 1K Product Commissioning

Extron provides proactive, on-site product commissioning with every Matrix 1K purchase. Matrix 1K commissioning provides you with an extra level of service, ensuring that the system you design and install meets your expectations and those of your client.



Extron Matrix 1K switchers offer very large scale routing capability to handle the largest, most complex venues.

Extron Matrix 1K switchers can be custom designed in sizes from 144x144 up to 1000x1000 and beyond.

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MATRIX SWITCHERS

SMX System MultiMatrix

Modular Multi-Plane Matrix Switcher

The SMX System MultiMatrix Series of multi-plane matrix switchers combines proven reliability and high performance of Extron's popular CrossPoint Ultra, MAV Plus, HDXP Plus, and MVX Series matrix switchers with the efficiency of a truly modular, field-configurable matrix switcher design. SMX frames are available in sizes up to 5U, capable of supporting up to 10 separate matrix boards which can be switched independently or simultaneously, all under a single point of control. The SMX System is ideal for use in hybrid A/V signal routing applications where a variety of analog and digital signal types must be routed within the same room or facility. SMX is also an appropriate choice for applications that require a cost-effective upgrade path for ongoing I/O size or signal format changes.

SMX 300 frame populated with:
- SMX 1616 A - SMX 88 V - SMX 44 HDMI - SMX 1616 FOX 4G MM

New Frames for the SMX System MultiMatrix

SMX 200 Frame

2U, 4-slot modular enclosure

The SMX 200 Frame supports up to four independent matrix switchers in a compact, 2U enclosure. The unique, hot-swappable card-cage design quickly aligns each matrix board on its own horizontal plane. Matrix boards can be installed without switcher disassembly, new firmware, or even the need to remove a previously-installed SMX switcher from the rack. As A/V signal routing needs change over time, choose new matrix boards to adapt the SMX to the new requirements.

FEATURES

- Compact 2U, 4-slot design
- Single point of control for up to 4 separate switching planes
- Hot-swappable matrix board slots allow installation and replacement of matrix boards in three easy steps
- Field re-configurable and updatable

Model	Version Description	Part Number
SMX 200 Frame	2U/4-Slot	60-1021-01

SMX FRAME RPS

Modular Multi-plane Matrix Switcher Frame with Redundant Power Supply

SMX 200, 300, 400, and 500 Frames are available with a redundant power supply for use in mission-critical applications that require around-the-clock operation with no tolerance for downtime. The power supply system is configured to automatically switch over to a spare, hot power supply in the event of a primary power supply malfunction.

FEATURES

- Choice of 2U, 3U, 4U, or 5U frames
- Internal universal power supplies for worldwide power compatibility
- Automatically switches to a hot, spare power supply in the event of a malfunction
- Monitor power supply, operating temperature, and other operating status via IP Link®

Model	Version Description	Part Number
SMX 200 Frame RPS	2U/4-Slot with Redundant Power Supply	60-1021-11
SMX 300 Frame RPS	3U/6-Slot with Redundant Power Supply	60-855-11
SMX 400 Frame RPS	4U/8-Slot with Redundant Power Supply	60-856-11
SMX 500 Frame RPS	5U/10-Slot with Redundant Power Supply	60-857-11

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MATRIX SWITCHERS

New Matrix Switcher Boards for the SMX System MultiMatrix

SMX HDMI

HDMI Matrix Switcher Boards

The SMX HDMI Series Matrix Switcher Boards are designed for routing HDMI video signals with HDCP - High-bandwidth Digital Content Protection. They support computer video to 1920x1200 and HDTV to 1080p as well as embedded audio and control signals, and enable the routing of content from Blu-ray Disc players and other content-protected sources to one or more displays. SMX HDMI matrix boards provide +5 VDC, 250 mA of power on each output for external peripheral devices. They are available in four I/O sizes: 4x4, 4x8, 8x4, and 8x8.

FEATURES

- HDCP compliant
- HDMI 1.3 compatible
- Supports computer-video to 1920x1200, HDTV to 1080p
- EDID Minder™
- Audio Breakaway
- Provides +5VDC, 250mA power on each output for external peripheral devices
- Input cable equalization to 100' (30 m) at 1920x1200
- Automatic output reclocking

SMX 88 HDMI

Model	Version Description	Part Number
SMX 44 HDMI	4x4 HDMI; 1 Slot	70-773-01
SMX 48 HDMI	4x8 HDMI; 2 Slots	70-773-05
SMX 84 HDMI	8x4 HDMI; 2 Slots	70-773-02
SMX 88 HDMI	8x8 HDMI; 2 Slots	70-773-03

SMX DVI Pro

HDCP-Compliant DVI-D Matrix Switcher Boards

The SMX DVI Pro Series Matrix Switcher Boards are designed for routing single link DVI-D video signals with HDCP – High-bandwidth Digital Content Protection. These HDCP-compliant matrix boards support computer video to 1920x1200 and HDTV to 1080p, and enable the routing of content from Blu-ray Disc players and other content-protected sources to one or more displays. SMX DVI Pro matrix boards provide +5 VDC, 250 mA of power on each output for external peripheral devices. For installation convenience and flexibility in cable selection, the boards are equipped with DVI-I connectors for inputs and outputs. They are available in four I/O sizes: 4x4, 4x8, 8x4, and 8x8.

FEATURES

- HDCP compliant
- Single-link DVI-D data rates to 225 MHz
- Also switches HDMI 1.3 compatible signals
- Supports computer-video to 1920x1200, HDTV to 1080p
- EDID Minder™
- Audio Breakaway
- Provides +5VDC, 250mA power on each output for external peripheral devices
- Input cable equalization to 100' (30 m) at 1920x1200

SMX 88 DVI Pro

Model	Version Description	Part Number
SMX 44 DVI Pro	4x4 DVI w/HDCP; 1 Slot	70-598-11
SMX 48 DVI Pro	4x8 DVI w/HDCP; 2 Slots	70-598-15
SMX 84 DVI Pro	8x4 DVI w/HDCP; 2 Slots	70-598-12
SMX 88 DVI Pro	8x8 DVI w/HDCP; 2 Slots	70-598-13

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AUDIO PRODUCTS & SPEAKERS

DMP 64

ProDSP™ Digital Matrix Processor

The Extron DMP 64 Digital Matrix Processor is a 6x4 audio matrix mixer featuring Extron ProDSP, a powerful digital signal processing platform for audio signal routing and control. The DMP 64 features six mono mic/line inputs with phantom power, each of which can be mixed into any or all four mono line outputs. ProDSP is loaded with powerful tools to control level, dynamics, filters, delay, ducking, loudness, and feedback suppression. It is managed by Extron's intuitive DSP Configurator™ Software, a PC-based application featuring the Graphical User Environment which allows for complete audio system visualization within a single window. The DMP 64 is ideal for presentation applications that require advanced line and microphone audio matrix mixing with DSP in a small form factor.

FEATURES

- 6x4 mic/line audio matrix mixer
- ProDSP™ audio signal processing
- Studio grade 24-bit/48 kHz analog-to-digital and digital-to-analog converters
- Low latency DSP processing
- DSP Configurator™ Software
- Intuitive Graphical User Environment
- Six digital I/O ports for remote control or feedback
- Dual matrix design provides primary and virtual routing options

Model	Version Description	Part Number
DMP 64	ProDSP Digital Matrix Processor	60-1054-01

SSP 7.1

Surround Sound Processor

The Extron SSP 7.1 five input Surround Sound Processor provides up to eight channels of surround sound for pro A/V applications in corporate and commercial environments. The SSP 7.1 automatically detects and decodes audio content in various Dolby® and DTS® formats from DVD, Blu-ray Disc, and HDTV broadcasts. It also offers Dolby Pro Logic II/IIx and DTS Neo:6® processing to provide surround sound from two-channel stereo. The SSP 7.1 features coaxial and optical digital inputs, plus an analog balanced/unbalanced two-channel input. It is designed for integration into pro A/V installations, with a compact, rack-mountable metal enclosure, RS-232 control, and balanced/unbalanced line level outputs. The included control software offers a user-friendly GUI for setup and operation.

FEATURES

- Supports Dolby® and DTS® source formats and listening modes as well as PCM and analog audio
- Automatic surround sound format detection and decoding
- Test signals for setup and calibration
- Listening mode override control
- Front panel input selection with LED indication

New Features in SSP Setup and Control Software Version 2.0

- NEW Nine band parametric EQ per output, excluding subwoofer
- NEW Live and Emulate operation modes with configuration file saving
- NEW Lip Sync Offset per input

dts Digital Surround ES | Neo:6 | 96/24

DOLBY DIGITAL EX PRO LOGIC IIx

Model	Version Description	Part Number
SSP 7.1	Surround Sound Processor	60-842-01

VoiceLift® Microphone

Infrared Wireless Microphone

The Extron VoiceLift® Microphone is an infrared wireless microphone system designed for sound field applications. The system provides a line level output for use with Extron amplifiers and speakers. The VoiceLift series of products includes a wireless pendant microphone, IR receiver, and charging station. The VoiceLift Microphone is designed and manufactured by Extron Electronics and includes a 3 year parts and labor warranty.

FEATURES

- Lightweight pendant microphone can be worn around the neck or clipped onto clothing
- System supports up to two microphones for each classroom
- Volume/mute control on microphones provides easy operation
- Compatible with any Extron MPA or XTRA Series amplifier or the AUX/MIX input of a MediaLink Switcher
- Designed and manufactured by Extron Electronics

VLM 2000i

Model	Version Description	Part Number
VLM 1000i	Single Pendant with Wall Charger	42-139-11
VLM 2000i	Two Pendants with Charging Station	42-139-12

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AUDIO PRODUCTS & SPEAKERS

MPA 152

Stereo Power Amplifier - 15 Watts Per Channel

The Extron MPA 152 integrated Mini Power Amplifier provides stereo amplification for speaker systems in classrooms and other applications requiring compact, economical audio solutions. It is an ideal step-up from a basic classroom system utilizing built-in video projector speakers. The MPA 152 features an Extron exclusive, highly efficient, advanced Class D amplifier design with patented CDRS™ - Class D Ripple Suppression technology that provides a smooth, clean audio waveform and an improvement in signal fidelity over conventional Class D amplifier designs. This Extron exclusive, high efficiency design allows the amplifier to be fanless and operate in environments with little or no ventilation.

FEATURES

- 15 watts rms per channel into 4 ohms, 8 watts rms per channel into 8 ohms
- Extron Patented CDRS™ - Class D Ripple Suppression
- Front panel bass, treble, and input level controls
- UL 2043 plenum rated
- Balanced and unbalanced buffered audio inputs
- Fanless design
- Automatic clip limiter
- Remote volume and mute control port
- Rack-mountable 1U, quarter rack width metal enclosure

Model	Version Description	Part Number
MPA 152	Stereo Power Amp - 15 Watts Per Channel. . . .	60-844-01

MPA 401

Mono Power Amplifier - 40 Watts

The Extron MPA 401 integrated Mini Power Amplifier provides mono amplification for speaker systems in classrooms and other applications requiring compact, economical audio solutions. It offers ample power for distributed speakers in classrooms, training rooms, and multi-purpose rooms. This ENERGY STAR® qualified amplifier features an Extron exclusive, highly efficient, advanced Class D amplifier design with patented CDRS™ - Class D Ripple Suppression technology that provides a smooth, clean audio waveform and an improvement in signal fidelity over conventional Class D amplifier designs. This Extron exclusive, high efficiency design allows the amplifier to be fanless and operate in environments with little or no ventilation.

FEATURES

- 40 watts rms output for 70 volt speaker systems
- ENERGY STAR® qualified
- Extron Patented CDRS™ - Class D Ripple Suppression
- Front panel bass, treble, and input level controls
- UL 2043 plenum rated
- Balanced and unbalanced buffered audio inputs
- Fanless design
- Auto power-down with fast power-up
- Automatic clip limiter
- Remote volume and mute control port
- Rack-mountable 1U, quarter rack width metal enclosure

Model	Version Description	Part Number
MPA 401-70V	70 Volt Mono Power Amp - 40 Watts.	60-845-01

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AUDIO PRODUCTS & SPEAKERS

XPA 2002-70V

Two Channel Power Amplifier - 200 Watts Per Channel

The Extron XTRA™ Series XPA 2002-70V is a full rack-sized, two channel power amplifier designed for high-powered, professional integration projects. This professional grade amplifier delivers 400 watts of continuous output power. The XPA 2002-70V two channel 70 volt power amplifier offers 200 watts per channel output, a 100 dB signal-to-noise ratio, and THD of less than 0.1%. This ENERGY STAR® qualified amplifier features an Extron exclusive, highly efficient, advanced Class D amplifier design with patented CDRS™ technology that provides a smooth, clean audio waveform and an improvement in signal fidelity over conventional Class D amplifier designs. This Extron exclusive, high efficiency design generates very little heat and allows the amplifier to be convection cooled.

FEATURES

- 400 watts rms output power:
  - 2 x 200 watts @ 70 volts
- ENERGY STAR® qualified
- Professional grade signal-to-noise and THD performance
- Extron Patented CDRS™ - Class D Ripple Suppression
- Convection cooled, fanless operation
- Ultra low inrush current - no need for power sequencing
- Power factor correction
- 1U full rack enclosure
- Auto power-down with fast power-up

Model	Version Description	Part Number
XPA 2002-70V	70 Volt Two Channel Power Amplifier.....	60-883-02

XPA 2003C-70V

Three Channel Combo Power Amplifier - 200 Watts Per Channel

The Extron XTRA™ Series XPA 2003C-70V is a full rack-sized, three channel power amplifier with dedicated low and high impedance outputs. This professional grade amplifier delivers 600 watts of continuous output power. The XPA 2003C-70V offers two channels of 200 watts into 4 ohms plus a third channel with 200 watts into a 70 volt line, a 100 dB signal-to-noise ratio, and THD of less than 0.1%. This ENERGY STAR® qualified amplifier features an Extron exclusive, highly efficient, advanced Class D amplifier design with patented CDRS™ technology that provides a smooth, clean audio waveform and an improvement in signal fidelity over conventional Class D amplifier designs. This Extron exclusive, high efficiency design generates very little heat and allows the amplifier to be convection cooled.

FEATURES

- 600 watts rms output power:
  - 2 x 200 watts @ 4 ohms; 2 x 100 watts @ 8 ohms
  - 1 x 200 watts @ 70 volts
- ENERGY STAR® qualified
- Professional grade signal-to-noise and THD performance
- Extron Patented CDRS™ - Class D Ripple Suppression
- Convection cooled, fanless operation
- Ultra low inrush current - no need for power sequencing
- Power factor correction
- 1U full rack enclosure
- Auto power-down with fast power-up

Model	Version Description	Part Number
XPA 2003C-70V	Three Channel Combo Power Amplifier.....	60-848-01

XPA 2004

Four Channel Power Amplifier - 200 Watts Per Channel

The Extron XTRA™ Series XPA 2004 is a full rack-sized, four channel power amplifier designed for high-powered, professional integration projects. This professional grade amplifier delivers 800 watts of continuous output power. The XPA 2004 four channel power amplifier offers 200 watts per channel output into 4 ohms, a 100 dB signal-to-noise ratio, and 0.05% THD. This ENERGY STAR® qualified amplifier features an Extron exclusive, highly efficient, advanced Class D amplifier design with patented CDRS™ technology that provides a smooth, clean audio waveform and an improvement in signal fidelity over conventional Class D amplifier designs. This Extron exclusive, high efficiency design generates very little heat and allows the amplifier to be convection cooled.

FEATURES

- 800 watts rms output power:
  - 4 x 200 watts @ 4 ohms; 4 x 100 watts @ 8 ohms
- ENERGY STAR® qualified
- Professional grade signal-to-noise and THD performance
- Extron Patented CDRS™ - Class D Ripple Suppression
- Convection cooled, fanless operation
- Ultra low inrush current - no need for power sequencing
- Power factor correction
- 1U full rack enclosure
- Bridgeable outputs
- Auto power-down with fast power-up

Model	Version Description	Part Number
XPA 2004	Four Channel Power Amplifier.....	60-563-02

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Extron®

TWISTED PAIR

MTPX Plus 128

12x8 MTP Twisted Pair Matrix Switcher with IP Link for RGBHV, Video, Audio, and RS-232

The Extron MTPX Plus 128 Twisted Pair Matrix Switcher represents the next generation of twisted pair integration. Local video and audio inputs and outputs enable direct connection of equipment that is located within the same rack as the MTPX 128 matrix, greatly simplifying system complexity by eliminating additional MTP transmitters and receivers. The MTPX Plus 128 is a 1U high, full rack width MTP Twisted Pair Matrix Switcher with 12 inputs and 8 outputs, RS-232 insertion ports, and IP Link. In addition to offering all of the same features found in the MTPX Plus Series, the MTPX Plus 128 provides EDID Minder™ for local inputs and outputs, RS-232 insertion ports for all outputs, switchable video pre-peaking on all outputs, and a front panel mini USB port for configuration and setup.

FEATURES

- 4 local inputs plus 8x8 MTP matrix switcher
- Dynamic skew equalization
- Local RS-232 insertion ports
- EDID Minder™
- Video level and peaking compensation
- Local high resolution video inputs and outputs
- Switchable video pre-peaking on all outputs
- Compatible with Extron MTP products

Model	Version Description	Part Number
MTPX Plus 128	12x8	60-1015-01

MTP U T A D

Universal MTP Twisted Pair Transmitter for VGA, Video, and Audio - Decora® Wallplate

The Extron MTP U T A D is a two-gang Decora®-style, Universal MTP Twisted Pair Transmitter with dedicated VGA, HD component video, S-video, composite video,and audio inputs for sending a wide variety of video signals along with summed mono audio signals over a single CAT 5-type cable. To take full advantage of the transmitting capabilities of the MTP U T A D, it is ideally paired with Extron Universal MTP receivers, providing dramatic cost savings, design flexibility,and superior performance in complex twisted pair switching and matrix switching applications. The MTP U T A D is available in black or white.

FEATURES

- Transmits RGBHV, HD component video, S-video, composite video, and summed mono audio signals over a single CAT 5-type cable
- Supports RGBHV, RGBS, RGsB, RsGsBs, component video, S-video, and composite video
- Compatible with HDTV component video, bi-level or tri-level sync
- Auto-input switching
- EDID emulation
- Switchable video output pre-peaking
- Contact closure remote control
- Mounts in an included two-gang Decora®-style wallplate
- Compatible with all Extron MTP Series Twisted Pair products

Model	Version Description	Part Number
MTP U T A D	Universal Transmitter - White	60-1025-01
MTP U T A D	Universal Transmitter - Black	60-1025-02

MTP R 15HD RSA D

MTP Twisted Pair Receiver for VGA, Audio, and RS-232 - Decora® Wallplate

The MTP R 15HD RSA D is a Decora-style MTP Twisted Pair receiver that accepts high resolution computer video, mono audio, and RS-232 signals over a single CAT 5-type cable. It is compatible with resolutions up to 1920x1200 WUXGA, and will support cable runs of 600 feet (185 meters) or more with XGA signals, and 450 feet (135 meters) or more with UXGA signals. The MTP R 15HD RSA D also offers separate continuously variable level and peaking controls to compensate for signal loss over long cable runs. It is available in black or white.

FEATURES

- Receives high resolution video, mono audio, and RS-232 signals 600' (185 meters) or more over a single CAT 5-type cable
- Mounts in an included Decora-style wallplate
- Supports RGBHV, RGBS, RGsB, RsGsBs, component video, S-video, and composite video
- Automatic detection and routing of audio and RS-232 signals to the appropriate output
- Separate continuously variable level and peaking controls
- Compatible with any Extron MTP transmitter

Model	Version Description	Part Number
MTP R 15HD RSA D	Receiver, Decora Wallplate - White	60-929-01
MTP R 15HD RSA D	Receiver, Decora Wallplate - Black	60-929-02

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TWISTED PAIR

MTP T 15HD A D

MTP Twisted Pair Transmitter for VGA and Audio - Decora® Wallplate

The Extron MTP T 15HD A D Twisted Pair Transmitter is a Decora®-style, wall-mountable version of the MTP T 15HD A. The Extron MTP T 15HD A D accepts high resolution computer-video on a female 15-pin HD connector and a stereo audio signal on a female 3.5 mm mini stereo jack. The female RJ-45 output connector will transmit a computer video and summed mono audio signal to an MTP RL 15HD A or MTP RL 15HD A SEQ receiver. The MTP T 15HD A D is designed to be mounted in any Decora-style wallplate and is available in black or white.

FEATURES

- Transmits high resolution video and summed mono audio signals over a single CAT 5-type cable
- Supports RGBHV, RGBS, RGsB, RsGsBs, component video, S-video, and composite video
- Pre-peaking circuit for optimizing video signal on long cable runs
- Compatible with HDTV component video, bi-level or tri-level sync
- Mounts in an included Decora®-style wallplate

Model	Version Description	Part Number
MTP T 15HD A D	Transmitter, Decora Wallplate - Black	60-798-02
MTP T 15HD A D	Transmitter, Decora Wallplate - White	60-798-03

SCALERS AND SCAN CONVERTERS

DVS 304 DVI

Four Input Video and RGB Scaler with DVI Output

DVS 304 DVI

DVS 304 DVI A

The Extron DVS 304 DVI is a Video and RGB Scaler incorporating advanced scaling technology from Extron as well as a host of flexible, convenient, integrator-friendly features. This high performance scaler is designed to satisfy the requirements of today's high quality, high resolution video presentations using the latest displays, and at the same time facilitate the process of system integration. The DVS 304 DVI offers high performance video processing with selectable output rates up to 1920x1200 and HDTV 1080p/60, as well as simultaneous DVI and analog RGB or component video outputs. It is ideal for a wide range of A/V environments including boardrooms, conference rooms, educational institutions, houses of worship, and event and staging applications.

FEATURES

- RGB, HDTV, and video scaling
- RGB upscaling and downscaling
- 68 selectable output rates from 640x480 to 1920x1200, including HDTV 1080p/60
- Simultaneous DVI and analog RGB or component video outputs
- EDID Minder™
- Auto Input Format Detection
- Auto-switching between inputs
- IP Link® Ethernet control
- Auto-Image™ setup
- On-screen display
- On-screen input labels
- Picture controls for brightness, contrast, color, tint, detail, and horizontal and vertical positioning, sizing, and zoom
- Internal test patterns for calibration and setup
- PIP - picture-in-picture
- Aspect ratio conversion
- 3:2 NTSC and 2:2 PAL pulldown detection
- Optional IR 902 handheld IR remote control
- RS-232 control port

Model	Version Description	Part Number
DVS 304 DVI	Standard Version	60-1027-01
DVS 304 DVI A	With Audio Switching	60-1027-02
DVS 304 DVI D	With SDI Input	60-1027-03
DVS 304 DVI AD	With SDI Input and Audio Switching	60-1027-04

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Extron®

SIGNAL PROCESSORS

USP 507

Universal Signal Processor

USP 507 DI/DVI

The Extron USP 507 is a high performance Universal Signal Processor, an all-in-one scaler, video transcoder, and digital-to-analog video converter. It also provides analog-to-digital video capability as an option. A seven input switcher supports analog and digital video formats, from composite video to high resolution DVI, RGBHV and optional SDI/HD-SDI. The USP 507 features advanced video processing that automatically detects the input video format and applies high performance scaling. RGBHV and Extron MTP Twisted Pair outputs are standard, with available output boards for DVI, HD-SDI, or scan-converted video. The USP 507 is ideal for applications that require universal compatibility to accept almost any input video format and produce high quality video for display, including live events, law enforcement, medicine, and telepresence.

FEATURES

- All-in-one scaler, video transcoder, and digital-to-analog video converter with optional analog-to-digital video and scan conversion
- Integrated seven-input presentation switcher
- Auto Input Format Detection
- RGB, HDTV, and video scaling
- Optional SDI/HD-SDI input
- Extron MTP Twisted Pair output
- Optional DVI, HD-SDI, or scan-converted output
- 81 output rates from 640x480 to 1920x1200, including HDTV 1080p/60
- Auto Input Memory
- EDID emulation
- Glitch-free switching
- PIP - picture-in-picture
- IP Link® Ethernet control
- RS-232 serial control port
- RS-232 pass-through control for Extron audio switchers

Model	Version Description	Part Number
USP 507	Standard Version	60-1055-01
USP 507 SC	Scan Converted Output	60-1055-03
USP 507 DI/DVI	SDI/HD-SDI Input, DVI-D Output	60-1055-12
USP 507 DI/SC	SDI/HD-SDI Input, Scan Converted Output	60-1055-13
USP 507 DI/HD-SDI	SDI/HD-SDI Input and HD-SDI Output	60-1055-14

MGP 462xi

Two Window Multi-Graphic Processor

MGP 462xi HD-SDI

The Extron MGP 462xi Two Window Multi-Graphic Processor is a powerful, high resolution graphics processor that enables the simultaneous display of two images on a single screen. It is ideal for applications demanding critical quality graphics and video presentations, including command and control centers, videoconferencing, medical facilities, courtrooms, and boardrooms. The MGP 462xi combines high performance graphics scaling with flexible and customizable picture-in-picture functionality.

FEATURES

- Combines video, HDTV, and high resolution RGB input sources into two windows on a single display
- RGB, HDTV component video, and DVI output
- 76 selectable output rates from 640x480 to 1920x1200, including HDTV 1080p/60
- Graphic Still Store enables use of screen captures or uploaded graphics as background images
- Live video background from a dedicated DVI source
- Window transition effects including dissolves, wipes, and cuts

Model	Version Description	Part Number
MGP 462xi	Two Windows, Standard Version	60-1023-01
MGP 462xi DI	Two Windows, With 4 DVI Inputs	60-1023-02
MGP 462xi HD-SDI	Two Windows, 2 HD-SDI & 2 DVI Inputs	60-1023-03

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ARCHITECTURAL CONNECTIVITY

Cable Cubby® 300S

Furniture-Mountable Enclosure with Square Bezel for Cables, AAPs, and AC Power Outlets

The Extron Cable Cubby® 300S is now available in a new, no power outlet version for applications that do not require AC power. In addition, it can be customized with the addition of one or more Cable Cubby Power Modules. The Cable Cubby 300S is also available pre-configured with a choice of discreet AC outlets for the US, Central Europe, and other major world markets The Extron Cable Cubby® 300S is a durable, metal enclosure that can be mounted into a tabletop or other flat surface. When the cables are not being used, they can be stored out of sight while remaining connected to the system, offering a discreet way to access cables and connection points as they are needed.

FEATURES

- Accommodates up to two or three single-space AAP - Architectural Adapter Plates, depending on version
- Offers convenient access to cable connections
- Top surface available in black anodized or brushed aluminum finishes
- Optional AC power outlets available for US, Europe, and other major world markets
- UL/CUL listed and CE compliant

Shown with optional AC power module

Model	Version Description	Part Number
Cable Cubby 300S	No AC Outlet - Black Anodized	60-712-00
Cable Cubby 300S	No AC Outlet - Brushed Aluminum	60-712-10

Cable Cubby® 300C

Furniture-Mountable Enclosure with Circular Bezel for Cables, AAPs, and AC Power Outlets

The Extron Cable Cubby® 300C is now available in a new, no power outlet version for applications that do not require AC power. In addition, it can be customized with the addition of one or more Cable Cubby Power Modules. The Cable Cubby 300C is also available pre-configured with a choice of discreet AC outlets for the US, Central Europe, and other major world markets. The Extron Cable Cubby® 300C is a durable, metal enclosure that can be mounted into a tabletop or other flat surface. When the cables are not being used, they can be stored out of sight while remaining connected to the system, offering a discreet way to access cables and connection points as they are needed.

FEATURES

- Accommodates up to two or three single-space AAP - Architectural Adapter Plates, depending on version
- Offers convenient access to cable connections
- Top surface available in black anodized or brushed aluminum finishes
- Optional AC power outlets available for US, Europe, and other major world markets
- UL/CUL listed and CE compliant

Shown with optional AC power module

Model	Version Description	Part Number
Cable Cubby 300C	No AC Outlet - Black Anodized	60-713-00
Cable Cubby 300C	No AC Outlet - Brushed Aluminum	60-713-10

Cable Cubby® 600

Furniture-Mountable Enclosure for Cables, AAPs, and AC Power Outlets

The Extron Cable Cubby® 600 is now available in a new, no power outlet version for applications that do not require AC power. In addition, it can be customized with the addition of one or more Cable Cubby Power Modules. The Cable Cubby 600 is also available pre-configured with a choice of discreet AC outlets for the US, Central Europe, and other major world markets. The Extron Cable Cubby® 600 is a durable, metal enclosure that can be mounted into a tabletop or other flat surface. The Cable Cubby's lid slides out of the way when it is fully open and lifts easily to close. When the cables are not being used, they can be stored out of sight while remaining connected to the system, offering a discreet way to access cables and connection points as they are needed.

FEATURES

- Accommodates up to five or six single-space AAP - Architectural Adapter Plates, depending on version
- Top surface available in black anodized or brushed aluminum finishes
- Optional AC power outlets available for US, Europe, and other major world markets
- UL/CUL listed and CE compliant

Shown with optional AC power module

Model	Version Description	Part Number
Cable Cubby 600	No AC Outlet - Black Anodized	60-714-00
Cable Cubby 600	No AC Outlet - Brushed Aluminum	60-714-10

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ARCHITECTURAL CONNECTIVITY

Cable Cubby® 800

Furniture-Mountable Enclosure for Cables, AAPs, and AC Power Outlets

The Extron Cable Cubby® 800 is now available in a new, no power outlet version for applications that do not require AC power. In addition, it can be customized with the addition of one or more Cable Cubby Power Modules. The Cable Cubby 800 is also available pre-configured with a choice of discreet AC outlets for the US, Central Europe, and other major world markets.The Extron Cable Cubby® 800 is an elegant, metal enclosure that can be mounted into a tabletop or other flat surface. The Cable Cubby's lid slides out of the way when it is fully open and lifts easily to close. When the cables are not being used, they can be stored out of sight while remaining connected to the system, offering a discreet way to access cables and connection points as they are needed.

FEATURES

- Accommodates up to seven or eight single-space AAP - Architectural Adapter Plates, depending on version
- Top surface available in black anodized or brushed aluminum finishes
- Optional AC power outlets available for US, Europe, and other major world markets
- UL/CUL listed and CE compliant

Shown with optional AC power module

Model	Version Description	Part Number
Cable Cubby 800	No AC Outlet - Black Anodized	60-715-00
Cable Cubby 800	No AC Outlet - Brushed Aluminum	60-715-10

Retractor

Cable Retraction System for Cable Cubby® Enclosures

The Extron Retractor is a unique, patent-pending cable retraction and management system designed to work with new or previously installed Cable Cubby® enclosures. The Retractor provides discreet, convenient access to A/V cables, improving the management of cables within the Cable Cubby. The Retractor is available in versions to support most A/V and data signal types including VGA, Network, PC Audio, USB, DVI, or HDMI. The cables extend up to three feet (90 cm) and are held securely in place at the desired length.

FEATURES

- Patent-pending cable retraction system maintains signal integrity
- Compatible with most Cable Cubby enclosures
- Cables extend up to three feet (90 cm)
- Holds cable securely in place at a user-defined length
- Simple push-button release retracts cable into Cable Cubby enclosure after use
- Available in a variety of commonly-used A/V and data connectors

Retractor VGA shown installed in Cable Cubby 800

Retractor DVI

Model	Version Description	Part Number
Retractor VGA	VGA Male to Male	70-678-01
Retractor PC Audio	3.5 mm Stereo Audio M to M	70-678-02
Retractor Network	Network Cat 5e	70-678-03
Retractor HDMI	HDMI Male to Male	70-678-04
Retractor USB	USB A to USB A	70-678-05
Retractor DVI	DVI Male to Male	70-678-06
Retractor Filler Module	Filler Module	70-678-08
Retractor Mounting Bracket Kit	For Horizontal Mounting Applications	70-678-00

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ARCHITECTURAL CONNECTIVITY

WPC 160 EU

Wallplate with Captive Screw Outputs for Computer Video, PC Audio, and USB - European Junction Boxes

The Extron WPC 160 EU wallplate is specifically designed for a standard 80 mm European one-gang junction box. It features connectors for computer video, audio, and USB with pass-through output on captive screw connectors for ease of integration in standard, 40 mm deep junction boxes. The Extron WPC 160 EU wallplate is made of metal and is available in RAL9010 white.

FEATURES

- Computer video: 15-pin female to captive screw connectors
- PC audio: 3.5 mm stereo mini jack to captive screw connectors
- USB: USB A to captive screw connectors
- Selectable ID Bit termination assures that the correct video signals are sent to the display device
- Signals passed through unprocessed

Model	Version Description	Part Number
WPC 160 EU	EU gang - RAL9010 White	70-715-01

WPC 160 MK

Wallplate with Captive Screw Outputs for Computer Video, PC Audio, and USB - MK Junction Boxes

The Extron WPC 160 MK wallplate is specifically designed for use with an MK Electric type British standard one-gang wall box. It features connectors for computer video, audio, and USB with pass-through output on captive screw connectors for ease of integration in standard, 40 mm deep junction boxes. The Extron WPC 160 MK wallplate is made of metal and is available in white.

FEATURES

- Computer video: 15-pin female to captive screw connectors
- PC audio: 3.5 mm stereo mini jack to captive screw connectors
- USB: USB A to captive screw connectors
- Selectable ID Bit termination assures that the correct video signals are sent to the display

Model	Version Description	Part Number
WPC 160 MK	MK gang - White	70-716-01

WPD 110

HDMI Pass-Through Wallplate - Decora®

The Extron WPD 110 wallplate is specifically designed for a standard one-gang sized junction box. It features a pass-through HDMI Female to HDMI Female connector on 10" pigtail for a simple and elegant integration solution. The WPD 110 mounts in a Decora®-style wallplate and includes a white faceplate.

FEATURES

- HDMI female connector to HDMI female on 10" pigtail
- Mounts in an included Decora®-style wallplate and mud ring
- Includes a white Decora faceplate
- Signals passed through unprocessed
- One-gang size

Model	Version Description	Part Number
WPD 110	HDMI - Decora Faceplate	70-719-03

WPD 110 A

HDMI and Stereo Audio Pass-Through Wallplate - Decora®

The Extron WPD 110 A wallplate is specifically designed for a standard one-gang sized junction box. It features a pass-through HDMI Female to HDMI Female connector on 10" pigtail along with a 3.5 mm stereo mini jack to support stereo audio, providing a simple and elegant integration solution. The WPD 110 A mounts in a Decora®-style wallplate and includes a white faceplate.

FEATURES

- HDMI female to HDMI female connector on 10" pigtail
- Computer audio: 3.5 mm stereo mini jack to solder tabs
- Mounts in an included Decora®-style wallplate and mud ring
- Includes a white Decora faceplate
- Signals passed through unprocessed

Model	Version Description	Part Number
WPD 110 A	HDMI with Audio - Decora Faceplate	70-726-03

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Extron®

ARCHITECTURAL CONNECTIVITY

AVTrac®

Low Profile Floor-Mount Raceway System for A/V Connectivity

The Extron AVTrac® is a low profile, floor-mounted raceway system with a modular AAP - Architectural Adapter Plate enclosure. Two 4-foot (1.2 m) tracks combine to create the 8-foot (2.4 m) raceway designed for use in any environment in which A/V devices cannot be positioned near a wall or other area where power, data, and A/V connections are traditionally located. AVTrac is a discreet, cost-effective alternative to floor coring for poke-through devices, trenching for floor boxes, and raised access flooring. AVTrac is ideal for use in classrooms, training centers and other reconfigurable spaces, and corporate boardrooms, as well as legacy installations and architecturally-sensitive environments.

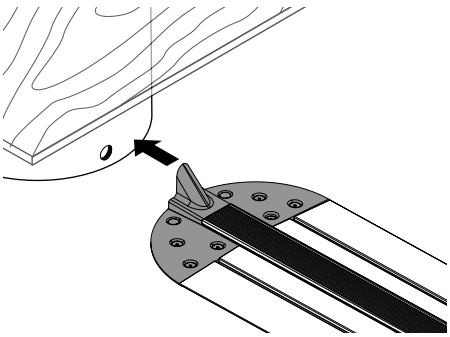
FEATURES

- Low profile cable raceway system
- Cost-effective alternative to floor coring and trenching
- ADA compliant 8-foot (2.4 m) total length cable raceway and side ramps
- Modular enclosure with 2 double-space and 2 triple-space AAP openings
- Easy access cover panel
- AC power modules available for US, Europe, and other major world markets

Model	Version Description	Part Number
AVTrac 482C	Carpet Inlay, No AC power	42-155-00
AVTrac 482R	Rubber Inlay, No AC power	42-156-00
AVTrac 482C	Carpet Inlay, w/AC US, Prewired Conduit	42-155-24A
AVTrac 482R	Rubber Strip, w/AC US, Prewired Conduit	42-156-24A

AVTrac® Cable Pass-Through Kit

Table Leg Kit for AVTrac



The AVTrac® Cable Pass-Through Kit mounts at the end of an AVTrac Extension Kit and is designed for applications where cables need to be passed from the wall to a hollow table leg, desk, or a fixed lectern location. The Cable Pass-Through Kit can also be used at either end of an AVTrac Extension Kit to allow the seamless transition of cables from one table leg to the other. The Cable Pass-Through Kit minimizes the number of termination points and corresponding signal loss by allowing continuous cable runs between primary connection points within the system.

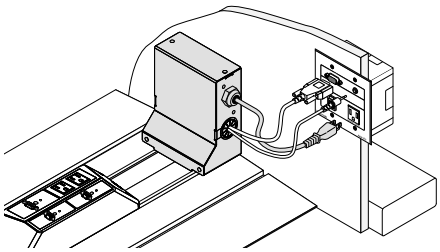
FEATURES

- Provides cable transition into or between hollow table legs
- Designed for use with the AVTrac Extension Kit
- All necessary materials are included for installation

Model	Version Description	Part Number
AVTrac INST CPT	Cable Pass-through Kit for AVTrac	70-714-02

AVTrac® Retrofit Transition Adapter

Raceway-to-Wall Transition for AVTrac



The AVTrac Retrofit Transition Adapter is designed to provide a smooth transition from the AVTrac floor-mounted raceway to a wall-mounted patch panel. It facilitates cable pass-through from wall-mounted AC outlets and A/V connection plates to the raceway system. In addition, it provides an alternative solution when base studs cannot be cut due to stringent building codes. The AVTrac Retrofit Transition Adapter includes a UL-approved, US style Edison 6-foot AC power cord that enables AC to be passed through knockouts conveniently located on either side of the box.

FEATURES

- Facilitates cable pass-through from wall-mounted AC power outlets and A/V connection plates to AVTrac
- US style, Edison, 6-foot power cord included
- UL-approved
- Includes all necessary materials for installation
- Available in black

Model	Version Description	Part Number
AVTrac INST TRANS PT	AVTrac External Transition Adapter	70-679-22

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ARCHITECTURAL CONNECTIVITY

AVTrac® Extra Channel Kit

Extra Channel Kit for AVTrac System

The AVTrac® Extra Channel Kit allows two or more cable raceway channels to run side by side between one set of AVTrac side ramps. The Extra Channel Kit is ideal for AVTrac applications where additional raceway capacity for A/V cable routing is necessary. It can also be used in conjunction with the AVTrac AAP Enclosure and AC Power Module to facilitate greater A/V connectivity for environments such as corporate boardrooms, conference rooms, classrooms, training rooms, and other reconfigurable spaces. The Extra Channel Kit can be installed with any AVTrac system for use in new construction or for retrofitting purposes in architecturally-sensitive environments.

FEATURES

- Provides additional raceway capacity for A/V, power, and data connections
- All necessary materials are included for installation
- Packaged in two 4' (1.2 m) sections for a total length of 8' (2.4 m)

Model	Version Description	Part Number
AVTrac INST EXCL	Extra Channel Kit for AVTrac	70-671-01

MOUNTING HARDWARE

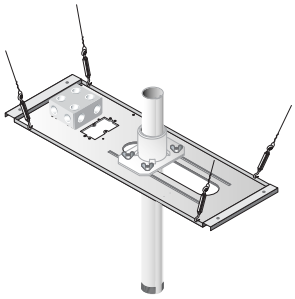
PCM 340

Projector Drop Ceiling Mount with Adjustable Pole

The Extron PCM 340 Projector Drop Ceiling Mount with Adjustable Pole is a versatile ceiling plate that provides a time- and cost-effective means of integrating a projector up to 50 pounds into small boardrooms and classrooms. The mount is designed for use with suspended ceilings incorporating 2' x 2' (60 cm x 60 cm) or 2' x 4' (60 cm x 120 cm) ceiling tiles.

FEATURES

- Patent-pending projector drop ceiling mount with adjustable pole
- Designed for use with suspended ceilings using 2' x 2' or 2' x 4' tiles
- Provides time- and cost-effective integration of projectors in small boardrooms and classrooms
- Includes single-space and double-space junction box openings
- 25" (63.5 cm) adjustable pole with range from 1.5" to 23" in 0.5" increments
- Lightweight aluminum construction
- Available in white



Model	Version Description	Part Number
PCM 340	White, 23" Adjustable Pole	70-656-23

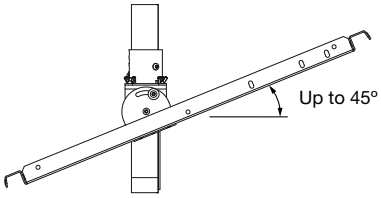
PCM AM

Angled Mount Kit

The PCM AM Angle Mount Kit is designed for use with the current versions of the PCM 240 or the PCM 340 Ceiling Mounts. It provides up to 45 degrees of adjustment for projector mounting poles and allows the projector to hang level in angled suspended ceiling applications. Available in white.

FEATURES

- Designed for use with Extron PCM Projector Ceiling Mounts
- Provides up to 45 degrees of adjustment
- Enables projector to hang level from angled suspended ceilings
- Kit contains one swivel bracket and one angle bracket
- Available in white



Model	Version Description	Part Number
PCM AM	Angle Mount Kit for PCM 340	70-680-03

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Extron®

BULK CABLES & CONNECTORS

DTP26

26 AWG Shielded Digital Twisted Pair Cable

Extron DTP26 cable provides enhanced signal transmission for Extron digital twisted pair extenders, including the DVI 201 Series, HDMI 201 Series and DVI DL 201. With Extron DTP26 cable, high resolution digital video signals up to 1920x1200 and 1080p/60 can be extended to 175 feet, versus 100 feet with standard CAT 5e cable. Extron DTP26 cable consists of four individually shielded copper pairs and an overall braided shield. The cable is constructed using 26 AWG solid copper conductors, utilizing an S/FTP shielded foil twisted pair design for superior noise immunity and high performance. Extron DTP26 cable is available in plenum and non-plenum, 1,000 foot spools in self-dispensing packaging. DTP RJ45 shielded plugs are also available, sold in packages of 10.

FEATURES

- Engineered for use with Extron digital twisted pair extension products including DVI 201 Series, HDMI 201 Series, and DVI DL 201 transmitters and receivers
- S/FTP design with individually foil wrapped conductor pairs and overall braided shield for noise immunity and low crosstalk
- Facilitates extension of 1920x1200 and 1080p/60 digital video signals up to 75% farther than standard CAT 5e cable
- 26 AWG solid copper conductors
- DTP26 RJ45 shielded plugs also available

Model	Version Description	Part Number
DTP26/1000	Non-Plenum 1000' (300 m) spool	22-214-03

SPECIALIZED PRODUCTS

EDID 101V

EDID Emulator for VGA

The Extron EDID 101V is an EDID Emulator featuring EDID Minder™, an Extron exclusive technology designed to provide constant and continuous EDID - Extended Display Identification Data management with VGA source devices. EDID Minder ensures that the source powers up properly and reliably outputs content. Pre-stored EDID is communicated to the source based on a user-selected resolution and refresh rate. Alternatively, this EDID emulator can be set to capture and store EDID information when connected to a display. The EDID 101V is housed in a compact 1" high, one-eighth rack width enclosure for convenient, discreet installation.

FEATURES

- EDID Minder™
- Selectable resolutions and refresh rates
- EDID capture mode
- Can be powered directly from the VGA source
- 1" (2.5 cm) high, one-eighth rack width metal enclosure

Model	Version Description	Part Number
EDID 101V	EDID Emulator for VGA	60-991-01

PS 124

Multiple Output 12 Volt DC Power Supply

The PS 124 is a rack mountable multiple output 12 volt DC power supply. It delivers a total of 4.0 amps across all outputs with no per-port current limitations, allowing connected devices to receive current based on load requirements. The PS 124 reduces the number of desktop power supplies by providing power for up to eight or more devices, resulting in power consolidation and centralized power management.

FEATURES

- Provides eight 12 volt DC outputs, 4.0 amps total, using eight 2-pin captive screw connectors
- No per-port amperage limitation
- Dual-color status LED for normal operating and overload conditions
- Rack-mountable 1U, quarter rack width, metal enclosure
- Extron-designed 100-240 VAC, 50/60 Hz, international power supply is rated at 150,000 hours MTBF

Model	Version Description	Part Number
PS 124	12 VDC, 4.0 Amp Power Supply	60-1022-01

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Extron Electronics, Japan	Kyodo Building 16 Ichibancho Chiyoda-ku, Tokyo 102-0082 Japan	Sales: +81.3.3511.7655 Fax: +81.3. 3511.7656
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S3 Sales & Technical Support Hotline	USA: +800.633.9876 (Inside USA only) +1.714.491.1500 Europe: +800.EXTRON.S3 +800.3987.6673 (Inside Europe only) +31.33.453.4040	Asia: +65.6383.4400 Japan: +81.3.3511.7655 China: +400.883.1568 (Inside China Only) Dubai: +971.4.2991800
Extron Web Site	www.extron.com	
Order & Support Fax Line	USA: +1.714.491.1517 Europe: +31.33.453.4050 Asia: +65.6383.4664	Japan: +81.3.3511.7656 China: +86.21.3760.1566 Dubai: +971.4.2991880
Normal Office Hours	USA: 7:00 am – 5:30 pm (PST) Monday – Friday Europe: 0900 – 1800 (+1 GMT) Monday – Friday Asia: 0900 – 1800 (+8 GMT) Monday – Friday	Japan: 0900 – 1800 (+9 GMT) Monday – Friday China: 8:00 am – 5:00 pm (+8 GMT) Monday – Friday Dubai: 8:30 am – 5:30 pm (+4 GMT) Sunday – Thursday

24-Hour Technical Support	Dial +800.633.9876 (Inside USA & Canada only) then press (3) — 24-Hour Technical Support. Calls are returned within 30 minutes.
Special Orders & Handling	Next day shipment for stock items ordered by 2:00 pm (PST) is standard.
Open Account Information	Qualified accounts may receive Net 30 day payment terms upon approved credit and acceptance of Extron's international credit policy. A hard copy Purchase Order (PO) is required by fax or mail.
International Shipping Terms	Ex works Extron Anaheim, Ex works Extron Amersfoort, Ex works Extron Singapore, Ex works Extron Shanghai, and Ex works Extron Dubai
Powered Product Warranty	Three years parts and labor One year parts and labor for touchscreen display and overlay components
***System Integrator*® Speaker Warranty**	Five years parts and labor
Cable Performance Warranty	Limited lifetime. Extron Cable Products will be free from defects in material and workmanship for as long as you or your customer own the cable.

Please refer to Extron business policies for full details.

www.extron.com

Worldwide Sales Offices

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